

Recommended Immunizations for HIV Positive Adults

Immunization Name	Associated Disease	Dosage	Comments and Warnings
Recommended for All HIV Positive Adults			
Hepatitis B virus (HBV)	Hepatitis B	3 shots over a 6-month period	Recommended unless there is evidence of immunity or active hepatitis. Blood test to check for HBV antibody levels should be done after completion of immunization series. Additional shots may be necessary if antibody levels are too low.
Influenza	Flu	1 shot	Must be given every year. Only injectable flu vaccine should be given to those who are HIV positive. The nasal spray vaccine (FluMist/LAIV) should not be used in this population.
Measles, Mumps, and Rubella (MMR)	1. Measles 2. Mumps 3. Rubella (German Measles)	1 or 2 shots	The only live vaccine recommended for HIV positive adults. People born before 1957 do not need to receive this vaccine. HIV positive adults with CD4 counts < 200 cells/mm ³ , a history of AIDS-defining illness, or clinical symptoms of HIV should not get the MMR vaccine. Each component can be given separately if needed to achieve adequate antibody levels.
Polysaccharide pneumococcal	Pneumonia	1 or 2 shots	Should be given soon after HIV diagnosis, unless vaccinated within the previous 5 years. If CD4 count is < 200 cells/mm ³ when the vaccine is given, immunization should be repeated when CD4 count is ≥ 200 cells/mm ³ . Repeat every 5 years.
Tetanus and Diphtheria Toxoid (Td)	1. Lockjaw 2. Diphtheria	1 shot	Repeat every 10 years.
Recommended for Some HIV Positive Adults			
Hepatitis A virus (HAV)	Hepatitis A	2 shots over a 1 or 1.5 year period	Recommended for health care workers, men who have sex with men, injection drug users, people with chronic liver disease (including chronic hepatitis B or C), hemophiliacs, and people traveling to certain parts of the world.
Hepatitis A/Hepatitis B combined vaccine (Twinrix)	1. Hepatitis A 2. Hepatitis B	3 shots over a 1-year period	Can be used in those who require both HAV and HBV immunization.
<i>Haemophilus influenzae</i> type B	Bacterial meningitis	1 shot	HIV positive adults and their health care providers should discuss whether <i>Haemophilus influenzae</i> immunization is needed.
Meningococcal	Bacterial meningitis	1 shot	Recommended for college students, military recruits, and people traveling to certain parts of the world.
Not Recommended for HIV Positive Adults			
Anthrax	Anthrax	The currently available smallpox and varicella vaccines are live viral vaccines. With the exception of the MMR vaccine, live vaccines are not recommended for people with HIV. Although the currently licensed anthrax vaccine is not a live vaccine, the Advisory Committee on Immunization Practices does not recommend routine anthrax vaccination.	
Smallpox	Smallpox		
Varicella	Chicken pox		
Varicella-zoster*	Shingles		

* Immunization for adults 60 years of age and older